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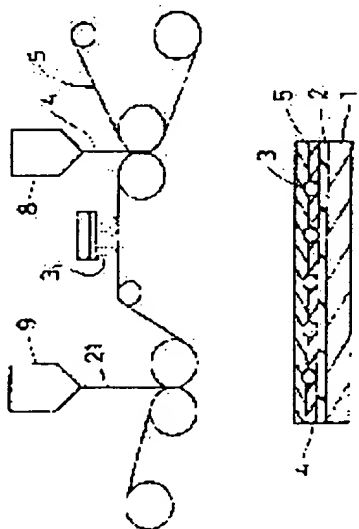
(21)Application number : 02-339038

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(54) PRODUCTION OF LIQUID-ABSORBING SHEET



(57)Abstract:

PURPOSE: To obtain the subject sheet capable of keeping the strength even in liquid- absorbed state and useful for food packaging, etc., by scattering liquid-absorbing resin powder on a paper board having a water-proofing layer made of a synthetic resin film, coating the liquid-absorbing resin powder with a molten hot-melt resin, and pressing a liquid-permeable sheet to the coated layer to form a laminate.

CONSTITUTION: A molten thermoplastic resin 21 is extruded in the form of a film on to a paper board 1 through an extrusion die 9 and the extruded film is laminated to the board to form a water-proofing layer 2. After solidifying the water-proofing layer 2, liquid-absorbing resin powder 3 having liquid-absorbing property is scattered on the water-proofing layer 2 and a molten hot-melt resin 4 is extruded on the liquid-absorbing resin powder 3 through an extrusion die 8

to cover the liquid-absorbing resin powder 3 with a coating film having a thickness smaller than the average particle diameter of the liquid-absorbing resin powder 3. A liquid-permeable sheet 5 permeable to liquid and impermeable to the liquid-absorbing resin powder 3 is placed on the coating layer before the solidification of the hot-melt resin 4. The hot-melt resin 4 and the liquid-permeable sheet 5 are laminated by pressing to obtain the objective liquid-absorbing sheet.

LEGAL STATUS

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